

**Course:** Exterior Design Institute – Exterior Wall cladding: 3<sup>rd</sup> Party & Moisture Analyst  
Inspector Certification Course- Level I  
**Lesson:** Inspection Documents & Process  
**Topic:** 12.05 Wall Cladding Application Inspection Report & Total Wall Check List  
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*Attachment: Document review letter*  
**Form Sample**

**(Wall Cladding Application Inspection Report)**

**New Construction**

**Wall Cladding APPLICATION INSPECTION REPORT**

**Inspection No:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Weather Conditions:** Temp: \_\_\_\_\_ RH: \_\_\_\_\_ Last Precip.: \_\_\_\_\_

**Project:** \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

**System Manufacturer:** \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

**Architect:** \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

**Applicator:** \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

**Certification:** \_\_\_\_\_

**Applicable Code:** \_\_\_\_\_

**Section:** \_\_\_\_\_

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**Design Considerations:**

Aesthetic Joints - depth: \_\_\_\_\_

Control Joints: \_\_\_\_\_

Expansion Joints: \_\_\_\_\_

Sloped Surfaces: \_\_\_\_\_

Parapet: \_\_\_\_\_

Special Shapes: \_\_\_\_\_

Horizontal Joints: \_\_\_\_\_

Starter Track: \_\_\_\_\_

Other Comments: \_\_\_\_\_

\_\_\_\_\_

**Submittals:**

Drawings: \_\_\_\_\_ Specifications: \_\_\_\_\_ Samples: \_\_\_\_\_

Review of Elevation Drawings: \_\_\_\_\_

Review of Details Related to Wall Cladding: \_\_\_\_\_

**Environmental Conditions:**

Temp: \_\_\_\_\_ RH: \_\_\_\_\_ Other: \_\_\_\_\_

**Material Storage:**

On Site: Controlled: \_\_\_\_\_ Other: \_\_\_\_\_

Off Site: Controlled: \_\_\_\_\_ Other: \_\_\_\_\_

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**Structural System:**

Steel: Load Bearing: \_\_\_\_\_ Section: \_\_\_\_\_

Mfg. (if available): \_\_\_\_\_

Curtain Wall: \_\_\_\_\_ Panel: \_\_\_\_\_

Infill: \_\_\_\_\_ Slip Connections: \_\_\_\_\_

Masonry: Load Bearing \_\_\_\_\_

Concrete Masonry Unit: \_\_\_\_\_ Type: \_\_\_\_\_

Prestressed Concrete: \_\_\_\_\_ Type: \_\_\_\_\_

Brick: \_\_\_\_\_ Type: \_\_\_\_\_

**Wood Frame:**

Load Bearing: \_\_\_\_\_ Joist Configuration: \_\_\_\_\_

Species: \_\_\_\_\_ Kiln Dried: \_\_\_\_\_

**Substrates:**

Sheathing: Gypsum: \_\_\_\_\_ Type: \_\_\_\_\_ Mfg: \_\_\_\_\_

Wood: \_\_\_\_\_ Type: \_\_\_\_\_ Mfg: \_\_\_\_\_

Cement Board: \_\_\_\_\_ Type: \_\_\_\_\_ Mfg: \_\_\_\_\_

CMU: Type: \_\_\_\_\_ Mfg: \_\_\_\_\_

Concrete: Type: \_\_\_\_\_ Mfg: \_\_\_\_\_

Tolerance: \_\_\_\_\_

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**Insulation Board:**

Type: \_\_\_\_\_

Mfg: \_\_\_\_\_

Certification: RADCO: \_\_\_\_\_ UL: \_\_\_\_\_ Other: \_\_\_\_\_

Tolerance: Width: \_\_\_\_\_ Thickness: \_\_\_\_\_

Square: \_\_\_\_\_

Break Test: \_\_\_\_\_ %

Aesthetic Joints: Minimum Thickness Maintained: \_\_\_\_\_

**Adhesive Application:**

Mfg's Designation: \_\_\_\_\_

Type (with or without Portland): \_\_\_\_\_

Appropriateness for Substrate: \_\_\_\_\_

Mechanical Fasteners: \_\_\_\_\_

Mixing Procedure: \_\_\_\_\_

Composition/mixing ratio: \_\_\_\_\_

Application: Ribbon & DAB: \_\_\_\_\_ Notched Trowel: \_\_\_\_\_

Insulation board abutments: \_\_\_\_\_

Joint Stagers: \_\_\_\_\_

Location(s) Observed: \_\_\_\_\_

\_\_\_\_\_

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**Base Coat Application:**

Mfg's Designation: \_\_\_\_\_

Board Surface Prep: Gap Treatment: \_\_\_\_\_ Sanded Flat: \_\_\_\_\_

Back Wrap Prep: Detail Mesh: \_\_\_\_\_ Terminations: \_\_\_\_\_

Mixing Procedures: \_\_\_\_\_

Reinforcing Fabric: Specification: \_\_\_\_\_

Base Coat Thickness: \_\_\_\_\_

Mesh Embedment: Overlaps: \_\_\_\_\_ Pattern Observed: \_\_\_\_\_

Corner Reinforcements: Band-Aid: \_\_\_\_\_ Butterfly: \_\_\_\_\_

Dry Thickness: \_\_\_\_\_

Location(s) Observed: \_\_\_\_\_

\_\_\_\_\_

**Finish Coat Application:**

Mfg's Designation: \_\_\_\_\_

Aesthetics: Texture: \_\_\_\_\_ Color: \_\_\_\_\_

Technique: \_\_\_\_\_

Staging: Fixed Scaffolding: \_\_\_\_\_ Swing: \_\_\_\_\_ Platform: \_\_\_\_\_

Manning & Organization: Planned Breaks: \_\_\_\_\_

Wet Edge Maintained: \_\_\_\_\_

Location(s) Observed: \_\_\_\_\_

\_\_\_\_\_

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**Joint Preparations:**

Locations: Substrate Changes: \_\_\_\_\_ Bldg: Expansions: \_\_\_\_\_

Abutting Dissimilar Materials: \_\_\_\_\_

Significant Structural Movement Expected: \_\_\_\_\_

Size: \_\_\_\_\_

Lamina Returned: Base: \_\_\_\_\_ Mesh: \_\_\_\_\_ Finish: \_\_\_\_\_

Elapsed Cure Time: \_\_\_\_\_

Bond Breaker: Backer Rod: \_\_\_\_\_ Tape: \_\_\_\_\_

Trim/Flashing: \_\_\_\_\_

Location(s) Observed: \_\_\_\_\_

\_\_\_\_\_

**Sealants:**

Approved by Wall Cladding Mfg: \_\_\_\_\_

\_\_\_\_\_

Cure Time Requirement: \_\_\_\_\_

Sealant Conformation to Evaluation Report: \_\_\_\_\_

Sealant Mfg's Installation Methods & Procedures Followed: \_\_\_\_\_

\_\_\_\_\_

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**Sealant Installer if Other Than Wall Cladding Applicator:**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_

Contact Name: \_\_\_\_\_

Surface Preparation: \_\_\_\_\_

Installation Conditions: \_\_\_\_\_

Temperature Range: \_\_\_\_\_

Joint Design: Depth to Width Ratio: \_\_\_\_\_

Trim: \_\_\_\_\_

Additional Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Inspection Firm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Signature: \_\_\_\_\_

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TOTAL WALL EIFS Step-By-Step Check List for Total Stop RA (liquid-applied membrane system)

Moisture Drainage MD Installation Inspections

Note all deviations or concerns in the margins or on the back of this page. It is helpful to include photographs and sketches to augment this form. Mark "N/A" next to any item that does not apply.

#### PRIOR TO APPLICATION

- 1. The Substrate is flat (no deflections >1" in 16 feet).
- 2. The substrate is sound (no spalls, voids or weak areas).
- 3. Flashing is properly installed (rooflines, chimneys, dormers, ledger boards, etc).
- 4. Kick-out flashing is properly installed. (How many .)
- 5. A 3/4" gap in sheathing at each floor line (wood construction).
- 6. Windows code compliant. (Manufacturer and type .)
- 7. Windows properly installed and flashed.
- 8. Balconies, decks and other projections properly prepared.

#### TOTAL WALL EIFS APPLICATION

- 1. All materials supplied by TOTAL WALL are in original unopened containers and protected from sunlight and freezing conditions.
- 2. Weather check (above 40 F and protected from precipitation).
- 3. EPS meets ASTM and TOTAL WALL specifications.
- 4. Moisture barrier properly installed (terminations bridged with waterproofing tape.)
- 5. Drainage plane properly created over Total Stop RA with vertical ribbons of Total Wall base coat adhesive.
- 6. Butt EPS boards (fill gaps with slivers of foam or EnerFoam spray urethane foam).
- 7. Vertical ribbons of base coat adhesive properly bonded to substrate and EPS board.

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- \_ 8. Proper back-wrapping at all terminations (windows, doors etc).
- \_ 9. Head flashing installed at windows and doors.
- \_ 10. Overlap runs of Soft Coat mesh (minimum 2 1/2" overlap).
- \_ 10. Expansion joints (floor lines in wood frame, or change in substrate).
- \_ 11. System held back 1/2" at all penetrations (for backer rod and caulk).
- \_ 12. Base Coat applied in 1/16" level thickness.
- \_ 13. Minimum 6:12 slope on all exposed EIFS.
- \_ 14. System held back 8" from grade.
- \_ 15. System held back 2" from roof shingles.
- \_ 16. Proper lower termination using either PVC weep track or special TOTAL WALL angled back-wrap detail. SEALANT

#### APPLICATION

- \_ 17. Install backer rod and sealant (Sealant/primer used ).
- \_ 18. Sealant Manufacturer instructions followed.
- \_ 19. Sealant bonded to Base Coat.
- \_ 20. All joints and penetrations properly sealed. FINISH APPLICATION
- \_ 21. Apply and texture TOTAL WALL Finish.
- \_ 22. Finish applied uniformly with adequate labor and equipment.
- \_ 23. EIFS maintenance instructions left with building owner. Printed Name: Title: Signed: Date: